Micro-Quartz Fiber Filters

Micro-quartz filters are useful for testing hot "stack" gases as the quartz fibers can withstand temperatures up to 900°C.
In addition, micro-quartz is used when the highest purity media is required. With excellent filtration properties and minimal traces of metals and minerals, quartz fibers are dimensionally stable and can be used in the analysis of acidic gases with the exception of hydrofluoric acid.

MK 360 is used in PM 10 testing according EPA ambient air monitoring, DIN EN ISO 23210 and DIN EN 14902:2005. These filters are available sequentially numbered according to EPA standards.

Description

- MK 360 conditioned by high temperature pre-heating

Each batch MK 360 is trace elements certified.

- Made of extremely pure micro-quartz fibers
- Binder-free
- Particularly suitable for low amount of particles

Typical Properties for MK 360 and T 293

Grade	Basis Weight g/m²	Efficiency** %	Pressure Drop* mbar	Penetration** %	Temperature °C
MK 360	85	99.95	51.5	< 0.05	900 max.
T 293	85	99.95	51.5	< 0.05	900 max.

* A = 10 cm², flow velocity 40 cm/s
** 0.3 – 1.2 µm

Typical Levels of Trace Elements in ppm

Element	MK 360	T 293
Al	25	50
As	0.2	0.75
Cd	< 0.02	1.5
Co	< 0.5	1
Cr	3.5	5
Cu	< 1	1.25
Fe	20	30
Hg	< 0.025	< 0.05
Mg	15	25
Mn	1	1.25
Na	10	40
Ni	0.5	2
Pb	0.3	0.75
Sb	< 1	1.25
Sn	< 0.5	0.5
Tl	1.5	2.5
V	< 0.5	0.5
Zn	3	5

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Part Numbers – Micro-Quartz Fiber Filters

Size mm	Grade MK 360	Pcs/ pack
Circles		
20	420043	25
25	420016	25
28	420012	25
37	420011	25
45	420010	25
47	420008	25
50	420000	25
70	420014	25
80	420017	25
90	420001	25
95	420044	25
103	420002	25
110	420003	25
120	420004	25
142	420005	25
150	420013	25
185	420042	25
257	420009	25
293	420006	25
Sheets		
203×254	420007	25
203×254*	420050	100

* numbered

Size mm	Grade T 293	Pcs/ pack
Circles		
20	420045	50
25	420046	50
32	420038	50
37	420047	50
47	420031	50
50	420051	50
55	420032	50
70	420048	50
85	420040	50
90	420033	50
103	420034	50
110	420035	50
125	420052	50
150	420036	50
Sheets		
203×254	420037	25
203×254	420039	100